

MHA100

HEADPHONE AMPLIFIER

McIntosh
The Compendium



FRONT PANEL: LED/fiber-optic illuminated green/gold nomenclature. Left POWER OUTPUT meter (LINEAR WATTS or DECIBELS). Left and right POWER GUARD lights. Right POWER OUTPUT meter (LINEAR WATTS or DECIBELS). 7 Concentric INPUT / OUTPUT / TUNE control. HEADPHONES jack. Digital information display. Pushbutton switch: STANDBY/ON / RESET (with indicator). Concentric VOLUME / PROFILE control.



BACK PANEL: Gold plated Right channel OUTPUT terminals for 8 Ω speakers. Gold plated Left channel OUTPUT terminals for 8 Ω speakers. 7 Fuse/Power cord receptacle. POWER CONTROL: IN and OUT. DIGITAL AUDIO INPUTS: USB-D/A, OPTICAL / COAXIAL, AES/EBU. ANALOG AUDIO INPUTS: BALANCED RIGHT and LEFT, UNBALANCED RIGHT and LEFT. PREAMP OUTPUT: RIGHT and LEFT.

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HEADPHONE OUTPUT SPECIFICATIONS: Headphone Power Output: 1W High Selection; 250mW Normal Selection. Headphone Output Impedance: 8-40 Ohms; 40-150 Ohms; 150-600 Ohms.

ELECTRONIC SPECIFICATIONS: Power Output Per Channel: 50 watts. Speaker Impedance: 8 Ohms. Rated Power Band: 20Hz to 20kHz. Total Harmonic Distortion: 0.005%. Intermodulation Distortion: 0.005% maximum, if the instantaneous peak power is 100 watts or less per channel with both channels operating for any combination of frequencies from 20Hz to 20kHz. Dynamic Headroom: 1.5dB. Frequency Response: +0,-0.5dB, 20Hz to 20kHz; +0,-3dB, 10Hz to 100kHz. Sensitivity: 300mV Unbalanced; 600mV Balanced. Maximum Input Signal: 8V Unbalanced; 16V Balanced. Signal to Noise Ratio: 105dB. Damping Factor: >150. Preamplifier Output: 3V (8V maximum). Preamplifier Output Impedance: 500 Ohms. Voltage Gain: 36.5dB. Power Guard: <2% THD with up to 16dB overdrive at 1kHz. Output Autoformer: for Headphones (only). Power Requirements: 120V at 1.5 Amps. Standby Power Requirement: <0.25 Watts.

DIGITAL AUDIO SPECIFICATIONS: Digital Coaxial Input Sample Rate: 16Bit, 24Bit-32kHz to 192kHz. Digital Optical Input Sample Rate: 16Bit, 24Bit-32kHz to 192kHz. Digital AES/EDU Input Sample Rate: 16Bit, 24Bit, 32Bit-32kHz to 129kHz. Digital USB Input Sample Rate: 16Bit, 24Bit, 32Bit-32kHz to 192kHz.

CONNECTIVITY: Headphone Output: 1/4". High Level Inputs: 1 Unbalanced and 1 Balanced. Digital Coaxial Input: 1. Digital Optical Input: 1. Digital USB Input: 1. Preamp Output: 1 Stereo. Power Control Output: Yes.

CONTROL: Tone Controls: 5 Step Bass Boost Control 0 to 12.5db (in 2.5dB steps) @ 40Hz. Power Control Input: Yes.



MHA100 - Sold from 2014 - Current. S/N: ADQ1011~??????

Size: 5-9/16"H, 11-1/2"W and 1"D. Weight: 26.5 lb. **\$4,500.00**